



**Natural Resources:**

A natural resource is something found on the earth that is useful to us. Example: Water, Forest, Natural gas, Gold, Sunlight etc.

**(1) Types of natural resources**

There are five types of Natural resources. They are:

**a) Water resources:**

Source: Ocean, lake, river, pond and rainfall.

Use: Drinking, washing, cooking, and cultivating and farming, produce electricity etc.

**b) Forest resources:**

Source: Forest tree.

Use: Building materials, paper, and furniture, heat energy.

**c) Land resources:**

Source: Land

Use: Grow crops and farm livestock, build houses or buildings, make building materials, making pottery.

**d) Mineral resources:**

Types: Rocks, minerals, oil, coal, natural gas etc.

Source: Land or under ground

Minerals: A solid material that is found in nature. Example: gold, silver, copper and iron.

Rocks: A solid material made of one or more minerals. Example: Lime stone, Marble.

Use: Chalks, jewelry, coins, building materials, running vehicles, cooking food producing electricity etc.

**d)Other natural resources:**

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**Sunlight:** Sun provides us light and heat energy. We can also produce electricity from sunlight.

**Wind:** We can generate electricity from wind.

## (2) Natural resources in Bangladesh:

List of natural resources	
1) Plant	7) Natural gas
2) Animal	8) Coal
3) Air	9) Silicon
4) Water	10) Zircon
5) Soil	11) Limestone
6) Sunlight	12) Hard rock

## (3) Classification of Natural Resources:

### Renewable Natural Resources:

A renewable resource is a natural resource that can be replaced by nature and can be used again. Example: Plants, air, water, sunlight etc.

### Non-renewable Natural resources:

A non-renewable resource is a natural resource that cannot be replaced or reproduce by nature once it has been used up. Example: Natural gas, oil, coal, minerals etc.

## 2. Uses of natural resources for energy production:

### Energy:

Energy is the ability to do things.

### Functions of energy:

- Energy can move something.
- Energy can make sound.
- We can produce light with the help of energy.
- We can produce heat with the help of energy.

### Energy resource:

Anything that can be used to produce energy is called an energy resource. Sunlight, wind, water current, oil, coal and natural gas are energy resources.

### Sunlight:

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People use solar panels to get energy from the sun. Solar panels are devices that transform sunlight into electricity.

#### **Wind:**

People use wind to produce electricity. Wind turns the blades of a wind turbine; it spins a generator and produce electricity.

#### **Water Current:**

Water current turns the blades of a turbine and spins a generator to produce electricity.

#### **Oil, Coal and Natural Gas:**

Oil, coal and natural gas are non-renewable natural resources. They are called fossil fuels. If we burn this resource, we can produce heat energy. Heat is used to cook food, to run vehicles, to produce electricity and to warm houses in the cold countries.

#### **Fossil Fuel:**

A fuel such as coal or oil that is formed in the earth from dead plants or animals is known as fossil fuel.

**Example:** Natural gas, coal etc.

#### **Conservation:**

Conservation is the preserving and wise use of natural resources. We can conserve natural resources in many ways. Such as:

#### **Reducing the uses of resources:**

We can conserve natural resource being economical. For example: we can turn out gas burner after cooking.

#### **Reusing Resource:**

We can reuse paper by making bag with it. If we can reduce trash than we can save our natural resources. If anything broken then we should try to fix it and reuse it again instead of buying it again.

#### **Recycling Resources:**

We should recycle our old material and make new things. For example: we can make paper bag with the help of old paper and use it again. It can reduce the number of trees cut down.

#### **Using renewable resource:**

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We should produce electricity from renewable resources. Example: solar electricity.

### **Changing behavior:**

We should change our behavior for conserving our natural resources.

## Worksheet

1.Name four types of natural resources.

Answer: Four types of natural resources are water resource, forest resource, land resource and mineral resource.

2.What natural resources are available in Bangladesh?

Answer: There are various types of natural resources are available in Bangladesh. such as: Plants, animals, air, water, soil, sunlight, natural gas, coal, silicon, zircon, limestone and hard rock etc.

3.What is natural resources?

Answer:A natural resource is something found on the earth that is useful to us. Example: Water, Forest, Natural gas, Gold, Sunlight etc.

4.For what purpose do we use water resources?

Answer: Water is an important resource for us. We use water for drinking washing cooking and cultivating, fishing or farming. We also use water current to generate electricity.

5.What do we get from the sun?

Answer: Sun is an important source of renewable energy.We get heat from sun. We also can produce solar panel to produce electricity from sun.

6.What is renewable natural resources?

Answer: A renewable resource is a natural resource that can be replaced by nature and can be used again. Example: Plants, air, water, sunlight etc.

8.What is energy?

Answer:Energy is the ability to do things.

9.How can we use solar energy? Explain.

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Answer:Solar energy is an important natural resource. We can use it for drying our cloth, we can preserve food drying by sunlight, we also can produce electricity with the help of solar panel.

10.Which resources are used in producing urea fertilizer?

Answer: Oil, coal and natural gas are used in producing urea fertilizer.

11.How can we conserve our natural resource?

Answer:We can conserve our natural resource in five ways. Such as-

- a)We should reduce the uses of resources.
- b) We should reuse the resources again and again.
- c) We should recycle our resource
- d)We should find renewable resources
- e) We must change our behavior.

12.Explain two ways that we can conserve natural resources.

Answer:**Reusing Resource:**

We can reuse paper by making bag with it. If we can reduce trash than we can save our natural resources. If anything broken then we should try to fix it and reuse it again instead of buying it again.

**Recycling Resources:**

We should recycle our old material and make new things. For example: we can make paper bag with the help of old paper and use it again. It can reduce the number of trees cut down.

13.Write three names of renewable energy sources.

Answer: Three names of renewable energy sources are:

- i) Sunlight
- ii) Plants
- iii) Water current

14.How can we reuse paper?

Answer: We can reuse paper by writing both sides of it and we can reuse the paper by making the paper bag with it.

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15.How changing behavior helps us to protect our natural resources?

Answer: The best way to conserve natural resources is to change our behaviors. We can reduce our energy use by turning off lights when they are not needed or reuse the paper by writing both sides of paper. We can also recycle the used cans or the old aluminum to make new things.

### **Fill in the blanks:**

- a) A \_\_\_\_\_ is material found in nature that is useful of people.
- b) Gold silveretc are \_\_\_\_\_ resources.
- c) Oil, coal and natural gas are \_\_\_\_\_fuel.
- d) Through \_\_\_\_\_, old things can be reproduced into new things.
- e) Wind and water current are used to generate \_\_\_\_\_
- f) The main source of \_\_\_\_\_ is forest tree.
- g) Gold, silver, copper and iron are some examples of \_\_\_\_\_.
- h) \_\_\_\_\_ is founded by burning oil, coal and natural gas.

### **Answer:**

- a) natural resources      b) mineral      c) fossil      d) recycling      e) electricity
- f)wood      g) minerals      h) Heat